

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 32nd Year

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The 2001 run of the Great Circus Train - and W 9 D

The evening of Friday, July 6, 2001, came up on us a little faster than we would have liked. That's when we install the HF rig and antenna on the Great Circus Train. Steve Schulze, N9UDO; Bill Hommel, KA9QFJ, and myself drove down the ballast alongside the coupled-up train, and we put the gear in and the antennas on.

For HF, we used the tried and trusty (we thought) tri-band Hustler mobile antenna with two sets of resonant radials, and for two meters, a dual band MFJ magnetic mount antenna was on the coach roof. We used KA9QFJ's TS-440S for HF work, a rig almost ideal for this situation. (Bill had commented that sometimes his rig has more fun than he does.) It isn't over-engineered, and it has a built-in tuner - and it is not big. On two meter FM, an Icom IC-27H worked well.

The morning of July 7 arrived about five hours sooner than I'd like to have had it come; I was short on sleep. But off to the rail yard I went and met KA9QFJ there. I gave Bill his ticket and boarding pass. Bill turned the TS-440S on, and 20 was wide open, something we have been hoping for five years or so. Bill was working pileups, so I stayed away from the 2-meter position and let Bill run with HF only. There is not a lot of room in that corner, and we have to "max out" the space available, and operate where the most contacts are to be made.

As usual the crowds were enormous, both at all of our stops, and along the route. It's a rocking, rolling show, it's beautiful, and it's free to see.

Bill left the train in Madison, after putting a lot of contacts in the log. We stopped in Madison for an hour, where I usually get off the train and take pictures. But with 20 open, I did not stay outside very long. I climbed back in, and back on 20 I went. 20 was great all of Day One, July 7.

On Day Two, I was joined by Steve Polishinski, WB9YSD, who hit the air running, as 20 was cooking again. He also put a lot of contacts in the log on HF, and added a few on 2-meter FM.

Steve tried 40, but found quickly that we had an antenna problem on that band - something that hasn't happened before. It was serious enough that no 40 meter operation was possible. The antenna will be completely disassembled and reworked; a new 40 meter resonator may be needed.

On Day Three, July 8, 20 wasn't the hustle and bustle it had been the prior two days. We did work the Submarine Veteran's Net with Jim Flanders, W00OG, running the show. Most activity Day Three was on 2 meter FM (146.55 simplex). A nice surprise happened when KB9UKD, a fellow on board I had not met, but who is a ham, asked if I minded having him sit in for a few 2-meter contacts. Glad to! I was very fortunate to have three excellent operators on HF, with



Milwaukee County AREC Inc. communications team leader Bob Goldstein, K9KJT, is not only surrounded by a bevy of

beautiful clowns, but they have him framed.

- K9ZZ photo

the Day Three operator an unexpected bonus.

We made a stop in Germantown, where I learned a new lesson: Pay attention to the conductor! The coach stairs were down, so I started to hop off to grab a few more pictures. Mr. Conductor told me that maybe I should wait; they may move the train ahead a little. A "little", I thought. Can't be much, maybe a few cars. It was more. After hiking at triple speed for the length of 18 double-length flatcars and a few coaches, and adding a diagonal block or two, I was back where I should have been.

Mr. Conductor greeted me with a smile and told me they had a plan in place, just in case. They were either going to back the entire train to pick me up, or they were going to stash me in the caboose. Hey, even Amtrak doesn't give service like that.

Will there be another circus train special event operation next year? Probably will. Call sign? Plenty of time to choose.

Those who worked us and want the certificate need to send a 9 x 12 SASE with two units of US first class postage affixed to K9ZZ.

Thanks to the following: West Allis Radio Amateur Club, Ozaukee Radio Club, ManCoRad Radio Club, Yellow Thunder Amateur Radio Club, N9QA, KA9QFJ, WB9YSD, AA7CS, and George Roos.

Thanks, too, to Milwaukee County AREC, Inc., especially K9KJT, WB9WRW, KA9EWJ, and KC9CI, The Great Circus Train (sponsored by Strong Capital Investments), The Great Circus Parade, the Circus World Museum, and the Wisconsin and Southern Railroad, Donna Strong, and Robyn Turtenwald.

This is - I hope - the full list of credits. If you or someone you know belongs on it, please let me know promptly by email or snail mail.

It takes a lot to move a train.

- Jim Romelfanger

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WHAT'S HAPPENING

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Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 —kebneter@palacenet.net

Swapfests And Other Social Events

SATURDAY, AUGUST 11, 2001 Circus City Swapfest Sauk County Fairgrounds, Baraboo, WI 7 a.m. until noon Info: Steve, N9UDO, 608.356.2313 or mailto: n9udo@arri.net or Bill, N9KXX, 608.643.6908 days or 608.643.6453 evenings. Web: <http://www.qsl.net/ytarc>

SUNDAY, AUGUST 26, 2001, Bollingbrook ARS, Joliet, IL. Contact: Bollingbrook ARS, PO Box 1009 Bollingbrook, IL 60440.

FRIDAY-SUNDAY, SEPTEMBER 14-16. Amateur Radio, Computer and Electronics Show at Exposition Gardens, Peoria, IL. Sponsored by the Peoria Area Amateur Radio Club. Features: Friday flea market preview, 3:00 p.m. until dark. Live music Saturday night. FCC testing. Gates: Open 3:00 p.m. Friday and 6:00 a.m. Saturday and Sunday. Commercial building open Saturday 8:00 a.m. until 4:40 p.m. and Sunday 8:00 a.m. until 3:00 p.m. For more information contact: www.w9uvi.org or regular mail Peoria Superfest, PO Box 3508, Peoria IL 61612-3508 or e-mail w9uvi@arri.net

SATURDAY and SUNDAY, SEPTEMBER 22 and 23 Radio Expo 2001 Sponsored by Chicago FM Club

Lake County Fairgrounds, Grayslake, IL, at Rts. 45 and 120. Conveniently located at between Chicago and Milwaukee, I-94 just to the east for easy access. Three large exhibitor buildings and a huge flea market. Indoor tables \$20 for the two days. Electricity \$10. VEC testing both days from 9 to 11 a.m. Free parking and camping (no service connection, electricity \$10.) Talkin 146.76 w/PL 103.7. Info: Write CFMC, 348 W. Natoma Ave, Addison, IL 60101, or see us here: <http://www.chicagofmcclub.org>

SATURDAY, OCTOBER 7, 2001, Decatur, IL. Contact: Spence Carter, N9LVW (21) 423-2095.

SUNDAY, NOVEMBER 4, 2001, Davenport, IA. Contact: <http://www.gwld.com/hamfest>.

SATURDAY, JANUARY 5, 2002 30th Annual Mid-Winter Swapfest Sponsored by West Allis Radio Amateur Club Waukesha County Expo Center Forum 8 a.m. to 2 p.m. Info: Phil Gural, W9NAW, 414.425.3649 Web: <http://www.WARAC.org>

SATURDAY, APRIL 20, 2002. Eau Claire Amateur Radio Club Hamfest Eau Claire County Expo Center (Same location as last five years). Information: Jim Staatz, KG9RA. 1-715-838-9108. ECARC, P.O. Box 1867, Eau Claire, WI 54702-1867. Web page: www.ecarc.org Email: w9eau@ecarc.org

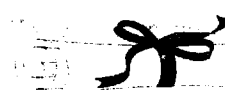
As a service to our readers, this section is available without charge to list your upcoming swapfest, hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to kebneter@palacenet.net.



CLUB MEETINGS

See elsewhere in this issue for up to date club meeting information.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

July 07, 2001	St. Paul, MN
July 07, 2001	Oshkosh (Omro), WI
July 12, 2001	Apple Valley, MN
July 14, 2001	Blaine, MN
July 14, 2001	Madison, WI
July 17, 2001	Eden Prairie, MN
July 17, 2001	Sheboygan, WI
July 21, 2001	Cottage Grove, MN
July 21, 2001	Loves Park, IL
July 28, 2001	Milwaukee, WI (MRAC)
July 28, 2001	Tomahawk, WI
July 28, 2001	Bloomington, MN
August 04, 2001	Oshkosh (Omro), WI
August 04, 2001	St. Paul, MN
August 09, 2001	Apple Valley, MN
August 10, 2001	Sioux City, IA
August 11, 2001	Madison, WI
August 11, 2001	Blaine, MN
August 18, 2001	Loves Park, IL
August 18, 2001	Cottage Grove, MN
August 18, 2001	Appleton, WI
August 21, 2001	Eden Prairie, MN
August 25, 2001	Bloomington, MN
August 25, 2001	Milwaukee, WI (MRAC)
August 25, 2001	Tomahawk, WI
September 01, 2001	Oshkosh (Omro), WI
September 01, 2001	St. Paul, MN
September 01, 2001	Adams
September 01, 2001	Racine, WI
September 08, 2001	Madison, WI
September 08, 2001	Blaine, MN
September 13, 2001	Apple Valley, MN
September 15, 2001	Milwaukee, WI (BE)
September 15, 2001	Loves Park, IL
September 15, 2001	Cottage Grove, MN
September 15, 2001	La Crosse, WI
September 15, 2001	Sheboygan, WI
September 18, 2001	Eden Prairie, MN
September 22, 2001	Bloomington, MN
September 29, 2001	Milwaukee, WI (MRAC)
September 29, 2001	Tomahawk, WI
October 06, 2001	Oshkosh (Omro), WI
October 06, 2001	St. Paul, MN
October 06, 2001	Racine, WI

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. kebneter@palacenet.net

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031. smokesigs@baraboo.com

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EDITORIAL BOARD: Ken Ebnetter, K9EN; Don Even-son, K9JYX; Jim Romelfanger, K9ZZ.

Subscription Rate

1 year (12 issues) \$13.95

Subscription form is on page 5. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter.

Editorial material, photographs, and feature articles should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Jim Romelfanger NO LATER THAN EIGHT WEEKS BEFORE THE EVENT'S DATE.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.**

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Badger State Smoke Signals is incorporated as a Wisconsin non-stock, non-for-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

October 11, 2001	Apple Valley, MN
October 12, 2001	Sioux City, IA
October 13, 2001	Madison, WI
October 13, 2001	Blaine, MN
October 16, 2001	Eden Prairie, MN
October 20, 2001	Milwaukee, WI (BE)
October 20, 2001	Loves Park, IL
October 20, 2001	Cottage Grove, MN
October 27, 2001	Bloomington, MN
October 27, 2001	Milwaukee, WI (MRAC)
October 27, 2001	Tomahawk, WI
November 03, 2001	Oshkosh (Omro), WI
November 03, 2001	St. Paul, MN
November 03, 2001	Menomonie, WI
November 04, 2001	Kaukauna, WI
November 08, 2001	Apple Valley, MN
November 10, 2001	Madison, WI
November 10, 2001	Blaine, MN
November 13, 2001	Eden Prairie, MN
November 17, 2001	Milwaukee, WI (BE)
November 17, 2001	Loves Park, IL
November 17, 2001	Cottage Grove, MN
November 20, 2001	Sheboygan, WI
November 24, 2001	Bloomington, MN
November 24, 2001	Milwaukee, WI (MRAC)
December 01, 2001	Oshkosh (Omro), WI
December 01, 2001	St. Paul, MN
December 01, 2001	Adams, WI
December 01, 2001	Racine, WI
December 07, 2001	Sioux City, IA
December 08, 2001	Madison, WI
December 08, 2001	Blaine, MN
December 13, 2001	Apple Valley, MN
December 15, 2001	Milwaukee, WI (BE)
December 15, 2001	Loves Park, IL
December 15, 2001	Cottage Grove, MN
December 15, 2001	La Crosse, WI
December 18, 2001	Eden Prairie, MN
December 22, 2001	Bloomington, MN
January 26, 2001	Appleton, WI
Monthly, 1st Sat.	Oshkosh (Omro), WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except December)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

GENERAL RULES FOR MOST EXAMINATIONS
Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>
or
<http://ftp.fcc.gov/pub/Forms/Form605>

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, WIAW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2001 test fee at \$10.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.shtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC

MILWAUKEE RADIO AMATEURS CLUB (MRAC/VEC) MILWAUKEE

Last Saturday, except June, July, and August, 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797- MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is \$6.65 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, PO Box 25707, Milwaukee, WI 53225.

BADGER EXAMINERS (BE) - MILWAUKEE

September thru April, every third Saturday morning, 9:30 a.m. to noon, Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee (use the entrance numbered 5730). Novice to Extra are offered, and all test materials are provided. Fee is \$6.35, and bring your original license, or CSCE if needed.

Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

EAU CLAIRE, WI

EAU CLAIRE AMATEUR RADIO CLUB

October 6, 2001, January 19, 2002: 9 a.m. to 11:30 a.m. South Middle School, North East Side Door 7, 2115 Mitscher Ave., Eau Claire. Walkins welcome.

Saturday, April 20, 2002: 9 a.m. to 11:30 a.m., Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire. Walkins welcome.

Examination session coordinator: Steve Bluem, KA9OMY, ka9omy@arrl.net Telephone: 715.839.6509. Sponsored by the Eau Claire Amateur Radio Club. Web page: <http://www.ecarc.org>, Email: w9eau@ecarc.org

FRIENDSHIP, WI

September 1, and December 1, 2001.

Exams given from 2 p.m. to 5 p.m. at Adams County Electric Cooperative, Community Room, 401 E. Lake St. (CTH J), Friendship, WI. Exam fee: \$10.00.

All candidates should bring appropriate identification which bears a photo and signature. Candidates must present the original document of any current Amateur Radio license or CSCEs. A photocopy of the original documents must be sent along with the session paperwork. Walkins are permitted, but advance registration is appreciated. A candidate wishing to retest for the same element

will be allowed to do so, provided the VE team has appropriate time and an additional exam fee is paid. There are no free exam elements.

Note that beginning June 1, 2001, multiple choice format Morse code tests will not be allowed. Code tests will be "fill in the blank" format only. Solid copy conditions will remain the same.

Candidate registration may be submitted to Wayne Hemrbook, KB9NLQ, at 608.339.4169. Questions may be directed to Karl Simonson, KS9E, at 847.244.0802 or 847.778.0247. Karl Simonson, KS9E

MADISON, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and the original and a copy of any relevant CSCEs, and a check for \$10.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m.

2001 dates: April 7, May 5, June 2, July 7, August 4, September 1, October 6, November 3, and December 1. Questions may be directed to Tim Czerwonka, WO9U, at (608) 239-3696 (home phone) or sent to wo9u@arrl.net.

MENOMONIE, WI

Saturday, March 31, 2001, and Saturday, November 3, 2001. The location will be the U.W.-Stout's Millennium Hall 9 (the new Communications Building), at the corner of Broadway and 10th Avenue on the U-W Stout Campus in Menomonie, Wisconsin. Walkins only. Arrive between 9 and 11 a.m. For information, contact Jim Ley, NX9F, (715) 235-3998 (H), or (715) 232-1397 (W).

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walkins are permitted. Talk in on 147.87/27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551.

TOMAHAWK, WI

Last Saturday of every month, January thru October. Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No advance registration required, but appointment would be appreciated. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

APPLETON, WI - ARRL/VEC

KAUKAUNA, WI (HAMFEST)

The Fox Cities ARC VE team. All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: W9MDP@arrl.net.

OSHKOSH (OMRO)

The Oshkosh VE Team will administer Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon at the Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

SHEBOYGAN, WI

Saturdays, 9 a.m.: May 19, September 15 Tuesdays, 7 p.m.: March 20, July 17, November 20 Sessions will be held in the Red Cross building, 2023 Erie Avenue, Sheboygan, WI 53081, main floor. This testing site is handicapped accessible. Signs will direct applicants to the proper area of the building. Registration begins 30 minutes prior to each testing session. Pre-registration is appreciated, but walkins are welcome. Contact: Art Pahr, K9XJ, N8029 Willow Road, Plymouth, WI 53073-2929. (920) 876-2370. K9XJ e-mail: <k9xj@excel.net>

ONALASKA, WI (ARRL/VEC)

February 21, May 19, September 15, and December 15, 2001. Tests will be given at the Onalaska Public Li-

(Continued on page 11)

ARRL Board Calls for Congressional Action on CC&Rs

Meeting July 20-21 in Connecticut, the ARRL Board of Directors adopted a goal of legislative action to provide amateurs the same protections from real estate covenants, conditions and restrictions now enjoyed under FCC rules by home satellite dish owners and others receiving over-the-air broadcast signals.

Board members felt that amateurs should be granted the right to install an antenna having a visual impact similar to that of a home television satellite dish or other antenna that falls under the FCC's Over the Air Reception Devices (OTARD) policy. In 1999, the FCC reaffirmed the OTARD rule that prohibits restrictions that impair the installation, maintenance or use of antennas used to receive video programming.

The Board also approved the filing of a petition seeking a domestic, secondary allocation for the Amateur Service at 5.250 to 5.400 MHz. The petition will ask that amateurs General and above be allowed to operate in the so-called 60-meter band at up to maximum authorized power. No mode sub-bands will be proposed at this time.

The Board also adopted the revised band plan for 160 meters based on a proposal

from the ad hoc 160-Meter Band Plan Committee. The plan adopted sets aside a segment for digital modes from 1.800 to 1.810 MHz, maintains CW operation for the entire 1.8 to 2.0 MHz band, recommends a lower limit of 1.843 for SSB operation, and designates QRP calling frequencies--1.810 for CW and 1.910 for SSB.

The 1.830 to 1.850 MHz "DX window" was eliminated. The committee recommended that contest sponsors "consider the use of DX windows as necessary." The plan accommodates established frequencies used on 160 for AM.

The ARRL Board of Directors also endorsed the Logbook of the World. An electronic alternative to collecting traditional QSLs for awards, the project goes beyond simply replacing printed cards with electronic versions. Logbook of the World will make use of electronic confirmations within a giant repository of QSO information maintained by ARRL. Digital security methods will ensure data integrity and authenticity.

The Board also approved a new QRP DXCC award. Applications likely will be accepted starting early next year. No QSL cards would be required, and there would be

no time limits or endorsements.

The Board approved a plan to invite all International Amateur Radio Union Region 2 countries to take part in Field Day starting in June of 2002. This would expand participation in the popular annual event to include stations in both North and South America.

The Board also resolved to encourage hamfest and convention sponsors to offer free admission to anyone under 16 years old and accompanied by a paying adult.

The Board also recognized ARRL South-eastern Division Vice Director Evelyn Gauzens, W4WYR, for her 22 years of service. Gauzens has announced that she will not seek another term.

ARLB027

Got a story to tell?

We have readers who are interested in the old and the new, the usual and the unusual, things in ham radio. If you have something of interest, let us take a look. Stories can be emailed to smokesigs@baraboo.com or snailed to Jim Romelfanger, Badger State Smoke Signals, 412 1/2 Ash Street, Baraboo, WI 53913-2501.

From the Section Manager

Don Michalski, W9IXG

BWN 3985 0600 W9RCW. BEN 3985 1200 KE9VU. WBSN 3985 1730 K9FHI. WNN 3723 1800 KB9ROB. WSSN 3645 1830 N9BDL. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW.

It is with deep regret that I inform you of the passing of WZ7V, Barry Norrgran, 63. Barry was killed in an auto accident. He was an ORS, received the Brass Pounder League award, was on the Public Service Honor Roll and very active in the BWN, WBSN, and BEN.

Bill Hawk, 90, W9SNH, is a Silent Key. May 9RN report shows 95% Wisconsin representation.

Madison's Four Lakes ARC has won the 2001 WIQP with 640K points!! Well done!

Do you think the VE tests need change? If so, leave a note on section website www.w9ixg.eboard.com in the "feedback" section. I will compile the comments and forward them to the ARRL VEC.

We greatly appreciate AD9X, WB9-RQR, K9ZZ, and WB9YSD for giving statements at the Assembly hearing on AB-368 (our PRB-1 bill). Looks like it will pass and go to the senate.

A good club activity for old and new alike is kit building! Suggest checking out Ten-Tec kits. Good quality, well documented, and fun projects! Go to <http://www.tentec.com/> for more information.

73, Don, W9IXG

Silent Keys

Barry Norrgran, WZ7V, Rhinelander, died in a vehicle crash after leaving a breakfast with area hams.

Barry held an Official Relay Station appointment, and often qualified for the Brass Pounders' League award as well as the Public Service Honor Roll.

He handled a lot of traffic on the Badger Weather Net, and was also a participant in the Badger Emergency Net and the Wisconsin Sideband Net.

Robert K. Shady, KB9XR, Milwaukee, died Friday, July 20, at the age of 71.

Maurice C. Soldner, K9LGL, died July 26 at age 82. He was a WWII veteran and retired from General Electric.

John E. "Jack" Douville, 80, WB9GTX, died July 26 at Sheboygan Memorial Medical Center. He was a long-time member of the Sheboygan County ARC. He also was a regular member who met at the "West End Office", a local McDonald's where many met at 3 p.m. each afternoon. He was a Technician class licensee who upgraded to General 5 years ago, and was delighted to be able to work the HF bands. "Always a good friend": Mike Musiel, K9SJ.

W9ORC/R

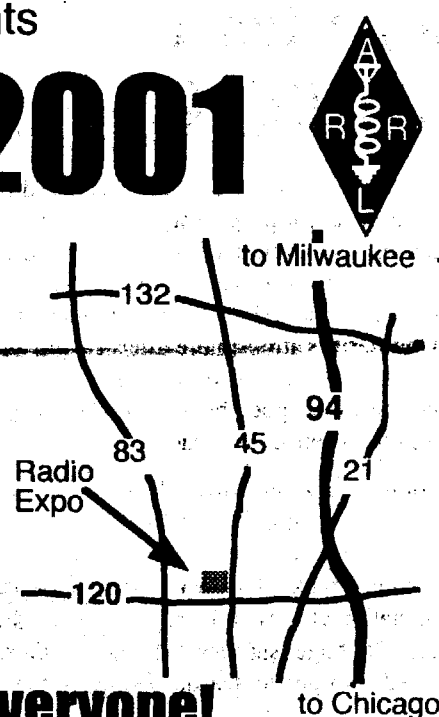


Grounds Open from Thursday at noon
Flea Market open both days at 6 AM
Exhibit Buildings open Sat 8 AM to 4 PM
Sun 8 AM to 3 PM

The Chicago FM Club presents

RADIO EXPO 2001

SEPTEMBER
22nd & 23rd
LAKE COUNTY
FAIRGROUNDS
RTS. 45 & 120
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Radios | Computers | Electronics for everyone!

Newest amateur equipment from major manufacturers

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3 large buildings (over 40,000 sq ft) for indoor flea market tables

Hundreds of outdoor flea market sellers filling the fairgrounds

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Talk-in on the CFMC repeater 146.16/76 MHz (107.2 Hz PL)

Ladies program - Arts and crafts

Questions ??? Call Radio Expo 630.628.1501

or visit our web site at <http://www.chicagofmclub.org>

— — — Cut Here — — — — — Cut Here — — — — — Cut Here — — — — — Cut Here — — —

Name _____ Call _____

Address _____

City _____ State _____ Zip _____ Phone _____

Table Reservations for all buildings - \$20.00 per table (8ft long) - good both days _____ x \$20.00 = _____

Building assignment at discretion of CFMC / Do not mail table/ticket requests after Sept. 8, 2001

Advanced sale tickets - \$6.00 - REQUIRED with tables - good both days _____ x \$6.00 = _____

Electric - inside - \$10.00 both days _____ = _____

Outside electric - \$10.00 good for entire event _____ = _____

Total _____ = _____

Make check out to: CHICAGO FM CLUB & send to: 348 W. Natoma Ave. Addison IL 60101-3422
Remember to send a #10 size (business) self-addressed stamped envelope with your request.

Taking a training break



Even the best-trained folks need a brake now and then. Here are Great Circus Train conductor Dick Rosenthal; Jim Romelfanger, K9ZZ/W9D; and Jolly the clown. The call sign W9D was chosen for 2001's run to honor the memory of Wilbur Deppe, a Baraboo building contractor who gave so much to Circus World Museum in its earliest days, and to commemorate the third and final circus to begin in Baraboo (c.1961), Deppe's Classic Country Circus. When nobody else could find a way to do a job, Wilbur Deppe always came through. This photo was taken in Elkhorn (I think) by friend and fellow actor Les Brown, who alternates between Edgerton and Beverly Hills.

Midwest youngsters gather at "zero-dark-30" for ARISS QSO

Seventeen Indiana elementary and middle schoolers got up extra early July 31 to speak via Amateur Radio with International Space Station crew member Jim Voss. The youngsters, who attend five Hobart-area schools, gathered before 4 AM at Joan Martin Elementary School to participate in the Amateur Radio on the International Space Station contact. All 17 got to ask a question of Voss, who was in his usual high spirits.

In answer to one youngster's question, Voss said the most unexpected thing he'd encountered in space was when the three main ISS computers had problems at the same time. "We never thought that would happen," he said. "Luckily, the people on the ground who support our flight were able to figure out what to do, and we were able to solve the problem and all of our computers are working properly."

As for the most exciting thing, Voss told the students that space walks have been "a remarkable experience" for him each of the four times he's gone out. Being launched into orbit was "quite an exciting ride," he said. Getting into space takes about eight minutes, he explained, but then it takes another two days to catch up with the ISS.

Voss said he expects a hamburger -- which he has not had since he went into space nearly five months ago -- and ice cream -- which is not available on the ISS -- to be among the first things he'll want to eat when he returns to Earth later this month.

Asked about how trash is disposed of on the ISS, Voss explained that the crew stows

its trash in bags similar to the ones used on Earth for that purpose. The rubber bags are sealed up and eventually stowed aboard an empty Russian Progress cargo vehicle, he explained. "And then, that rocket goes back into the Earth's atmosphere after it's full and it's all burned up and destroyed," he said. Some trash also goes back to Earth aboard the shuttle when it visits the ISS.

Before signing off, Voss urged the youngsters to continue studying space and to "reach for the stars."

Mike Frank, KF9WW, who handled Earth-station chores at the school, called the contact "a huge success." Some of those involved also got to see the ISS pass overhead.

"Hams assisting with monitoring the tracking of the antennas from the rooftop reported a spectacular visual sighting of the ISS, which included a 'flare' of the spacecraft near the peak elevation of 83 degrees," Frank said. "Unfortunately, most of us missed that part of the excitement."

The ISS is about 210 miles above Earth.

Voss and the Expedition 2 crew of Susan Helms, KC7NHZ, and Crew Commander Yuri Usachev, RW3FU, are scheduled to return to Earth in about three weeks.

ARISS is a cooperative program of ARRL, AMSAT and NASA. More information is available at the ARISS Web site, <<http://ariss.gsfc.nasa.gov>>.

The ARRL Letter

Where's my circus train certificate?

If that question has been weighing heavily on your mind, pay it no mind. Those who worked W9D on this year's run of the Great Circus Train and send the correct SASE and postage affixed will all get their certificates. However, your patience is required. After the trip, all QSOs are entered into a database here at home. There is no room for added "boxes" on the train, so logging is manual. Next, the ink cartridges for the color printer here (Alps MD-1000 thermal wax photo printer) are not impossible to find, but not easy, either, so certificates are processed as quickly as we can keep those in stock here. An "info sheet" is usually prepared as well, giving details of the station, the trip, how radio conditions were, who operators were, and why the particular call sign used was selected. Each of these is printed one at a time, including the certificates. If I did not think the certificates were worthy of being printed on a high-quality color printer, I probably could do it all faster. I prefer quality over quantity. So, sit back, relax, and get ready for the Packers to start their season. Your certificate will come.

K9ZZ/W9D

Wisconsin ARES/RACES Needs You!

By Stan Kaplan, WB9RQR

Section Emergency Coordinator (ARRL)

Wisconsin Chief Radio Officer (RACES)

Deputy Director, Emergency Management (Ozaukee County)

Do you think Public Service is an important activity for hams? Do you want to do some Public Service while engaging in your hobby? Do you want to have the added benefit of learning all sorts of new information related to communications? Well then, look no further. Join your local ARES/RACES unit and you will have it all.

If that sounds like a recruiting message, it should, because it is. It is accurate, but not the whole story. Let me tell you the "rest of the story".

How is ARES organized in Wisconsin? Each county in our state (72 total) potentially has an ARES unit, headed by an Emergency Coordinator (EC). The EC's job is to organize and train the unit, and to keep it ready and able to respond to communications emergencies. For example, under Wes Jones (N9PHS) able leadership, 65 hams participated in the recent tornado emergency in northwestern Wisconsin. You can see the counties with ECs and ARES/RACES units by looking at the map on our website: <http://wi-aresraces.org>. A few counties have no ARES unit at present because no EC has been appointed.

Why the ARES/RACES moniker? Every member of an ARES unit in Wisconsin is also registered as a RACES operator. Every RACES registered operator in the state is also a member of an ARES unit. This has been true since January 2000. ARES, as you know, is part of the Field Service Organization of the ARRL, a private, not-for-profit organization. RACES is administered by a governmental organization, Wisconsin Emergency Management.

While it is not possible to merge governmental and private organizations, we have virtually done so by merging their memberships -- the hams who make up the working part of both ARES and RACES. This makes for better working relationships in emergencies, provides additional legal and medical protection for hams under certain circumstances and provides much better service to the public.

I hold a [Nov, Tech, Tech+, Gen, Adv, Ext] class license. Does that mean I am trained and ready to go? Most emphatically not! There is next to no emergency training associated with the study leading to any class of ham license. Indeed, there is even a basic difference in the way hams must learn to communicate in emergencies. For example, we hams just love to ragchew. For many of us, that is one of the attractions of the hobby -- to be able to have free wheeling conversations with our peers, close by or across the world.

In emergency communications, we must learn to be very succinct, and to actually keep quiet when we have nothing to report. We must also learn to use non-ham communications conventions, such as the 10-codes still used today by a few police and fewer fire departments. We must learn to use non-ham equipment as well, since we may be required to use public safety equipment in an emergency.

In addition, there are a myriad of other areas that we need to train for: HazMat (hazardous materials) incidents, wildfires, tornadoes, earthquakes, maritime and aviation incidents and so on. We need to know something about all sorts of natural and manmade disasters so that we may be ready to communicate during them.

Where do I get the training? You start it after you join an ARES/RACES unit, and it never ends! Weekly nets polish your ability to provide succinct reports (TLC = time, location and condition), on the air. Training sessions, sometimes provided by an Emergency Manager, help you to understand the

interface between hams and Emergency Management in a county or the state.

Some units hold drills on packet communications, HF nets, weather operations, maritime incidents, HazMat incidents and even vehicular traffic management! Yearly SETs (Simulated Emergency Test) routinely help ARES/RACES units train inside their county for emergencies.

As an aside, this coming October, the SET will extend statewide, with an emphasis on mutual aid between neighboring ARES/RACES units (remember that you heard it here!). Of course, Field Day is superb for learning how to set up emergency stations in the field. Beyond these sources, you can tap many others on your own.

The ARRL has two new series of emergency training courses (EmCom I and II) which you can take on line with your computer, and a third is nearly ready to release. The EmCom courses even provide mentors -- real, live persons -- that you email your assignments to and who provide you with feedback to keep you on track. FEMA (Federal Emergency Management Agency) has a whole host of related free courses that you can take on line or download and complete at your leisure.

There are even courses taught by Wisconsin Emergency Management (WEM) that may be available to you as a member of Wisconsin ARES/RACES. Of course, all these courses provide nice wallpaper when you finish them.

Wow! Sounds like it could be a full time job! How much time do I need? Correct, it could be a full time job! However, no one expects that from you. You put in as much time as you can afford, or as little, though some ECs require that you make a certain number of meetings or training events each year. This varies, though, and you must query your EC to get an exact answer.

Remember that we are all unpaid volunteers who wish to provide public service as part of our wonderful hobby. Families and jobs come first. But then, about those spare 3 hours a week that you have...! By the way, an added benefit of becoming better trained for ARES/RACES is that you become better able to protect yourself and your own families when disaster strikes, and better able to prepare for such contingencies.

How do I join? Contact your EC -- a list is on the ARES/RACES website referenced above. Indeed, there is an email button next to your EC's name on the website. Just click the button to send a message. If you live in one of the handful of counties that has no EC at present, pick an EC from a close neighboring county. You do not have to live in a county to be a member of its ARES/RACES group.

Note, however, that you can only be a member of a single county's ARES/RACES group in Wisconsin. Once you have joined a group, your EC will submit your name, call, address, etc., for inclusion in the RACES roster, a very quick process that completes your membership as a Wisconsin RACES operator. Your EC will inform you when that has been accomplished.

What's in it for me? Aside from those benefits mentioned above, you are guaranteed to acquire a sense of personal accomplishment as your training opens new vistas. You will have taken what used to be a hobby, and extended it to a skill level that can be used to help others. That is something we hams are noted for in the mind of the public, and we want to continue that mindset. The Wisconsin ARES/RACES motto says it all:

We communicate when no one else can.

The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
skaplan@mcw.edu



No. 93: Sometimes Microsoft Does It Right!

Credit should be given where credit is due. There are some features of Windows 98 that are quite well done. This month is the subject of one - Windows Update.

If you click the Start button, the one in the lower left corner of your system tray, a Taskbar pops up with options. Shutdown, Log Off, Run, Help, Find, Settings, Documents, Favorites, Programs, and then several others depending upon the contents of your computer. Usually, however, the top item in the list is Windows Update. Maybe you have never used it. Well, you should, and it is even safe!

Before I tell you exactly what it does, let me tell you how to use it. First, make an Internet connection - dial up your ISP (Internet Service Provider), but don't bother starting your browser (Netscape or Internet Explorer). Once you are connected, then click the Start button and select Windows Update.

When you do, typically Internet Explorer will start and connect you to the Microsoft Windows Update site. In the upper left corner of the window, you will see three options. 1. Windows Update Home Page (that is where you are at present, and it appears in blue). 2. Product Updates (that is what you are interested in), and 3. Support Information. Select Product Updates by clicking it.

If you have never visited the site and done this before, the site will want to download a small program that it needs to be present on your machine. Let it - it is safe (discussed below). Once the little utility program has been downloaded, the site will pop up a notification in the middle of your screen with the following message:

Windows Update is customizing the product update catalog for your computer. This is done without sending any information to Microsoft.

While that message is on your screen, the site sends a complete catalog to your computer, that lists all the Windows updates that are available (but you don't get to view it yet). Next, the little utility program that you downloaded now looks at the dates and versions of various Microsoft Windows components that are installed on your machine, and compares them with the catalog. For example, it might find that most components of your Windows OS (Operating System) are up-to-date. However, let us say a few components on your machine are not up-to-date - more recent versions are available on their website. Those OS components that are up-to-date will be deleted from the catalog listing, and only entries for those components for which there are updates will remain. Remember, this modified catalog resides in your machine, not on the Microsoft website.

When this process is all done, the box above will disappear and you will be presented with the catalog, organized in several categories, from which you can select those items you wish to download and install. The categories are Critical Updates, Picks of the Month, Recommended Updates, Additional Windows Features and Device Drivers. Pay particular attention to the first and the last - Critical Updates and Device Drivers. These are the ones that you absolutely should download and install. It may take you several sessions to get these items, depending on what they are and how large they are. One minute downloads are no sweat, but some are quite large and may take some time to download. Some can be downloaded in groups, but others must be downloaded by themselves, installed, and a reboot done before additional updates can be downloaded. In any case, installation is automatic when downloading is finished, so the process is painless except for the time it takes. Do it. Critical Updates are most often security features designed to make your machine safer and less open to invasion by unscrupulous hackers. Device drivers will make your machine work better. Do it! It is safe and effective. Most important, as Microsoft promised in the pop-up window, no information about you or your computer is shared with Microsoft, since the catalog is modified directly on your machine.

Microsoft has done a very good job with this aspect of Windows. I cannot imagine a safer, more painless way to update the operating system and its components over the Internet. The only other way to do a good job at keeping your system up to date would be for Microsoft to send you a CD-ROM with updates. You and I both know that is not going to happen. However, they really have done a fine job of making it available, safely, via the Internet.

Microsoft deserves special kudos for protecting your security during this process. Downloading the entire catalog, then comparing it with what you have installed and deleting those items that are up to date is a very good feature. Your machine does not send them any information about you or it - just your requests for downloads when the comparison process is complete. Nice going, Microsoft! Happy Computing!

Visit Badger State Smoke Signals on the Web.

<http://www.bssts.org>

Got a story for the web site? Email it to
smokesigs@baraboo.com

ARRL petitions for new 60-Meter Amateur band

A petition filed the week of July 26 by the ARRL could result in a new high-frequency band for US amateurs. The ARRL has asked the FCC to allocate 5.250 to 5.400 MHz to the Amateur Service on a domestic (US-only), secondary basis.

The League told the FCC that the new band would aid emergency communication activities by filling a "propagation gap" between 80 and 40 meters. "There are times on certain paths when a frequency in the 80-meter band is too low, and a frequency in the 40-meter band is too high for reliable ionospheric propagation," the ARRL said in its petition. The ARRL said the propagation gap can hamper communication between the US and the Caribbean during a hurricane or severe weather emergency.

The ARRL Board of Directors approved the proposal at its July 20-21 meeting. The FCC has not yet invited public comments on the petition. Even if the petition finds favor with the FCC, it's likely to be several years before the new band actually becomes available.

As proposed by the ARRL, amateurs General class and higher would be permitted to operate phone, data, image and RTTY on the new band running maximum authorized

power. No mode-specific subbands were proposed.

The ARRL said a new 150-kHz allocation at 5 MHz also could relieve substantial overcrowding that periodically occurs on 80 and 40. If the new band is approved, hams would have to avoid interfering with -- and accept interference from -- current occupants of the spectrum, as they already do on 30 meters. The band 5.250 to 5.450 MHz now is allocated to Fixed and Mobile services on a co-primary basis in all three ITU regions.

The ARRL's petition cites the success of the League's WA2XSY experimental operation in the 60-meter band, carried out since 1999, which confirmed the communication reliability of 60 meters.

"An amateur allocation in this band would improve the Amateur Service's already exemplary record of providing emergency communications during natural disasters when even modern communications systems typically fail," the ARRL concluded.

A copy of the ARRL petition is available on the ARRL Web site, <http://www.arrl.org/announce/regulatory/5MHz>.

ARRL

And back in the red coach



Bob Goldstein, K9KJT, right, gazes at the camera as W9D operator Steve Polishinski, WB9YSD, works on the pileups on both HF and 2 meter FM. This Great Circus Train photo was taken on Day Two.

K9ZZ photo

AMATEUR RADIO MOVING SALE

When: August 18-19, 2001

Time: 8 a.m. - 2 p.m.

**Where: QTH of N9GHE (Red),
3522 Wagonwheel Rd., Manitowoc, WI.**

**Directions: U.S. 43 north to Hwy 310 East,
310 east to Wagonwheel Rd., right
(south) for 1 mile on Wagonwheel Rd. to sale.**

**Misc. ham radio parts, radios, towers,
antennas, 2M and 440 repeaters, more.**

**"It's all here". Come and get it. Lots of Ham
Radio Equipment. Can't take it all with me
when I move.**

Talk in freq: 146.610- (107.2)

More info: Please call Red (N9GHE) at 920-684-3733

PARTICIPATING CLUBS AND ORGANIZATIONS

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	Yes	3985	1100	0600	W9RCW
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9FHI
WNN	Yes	3723	2300	1800	KB9ROB
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9UW
RCRA	No	01/61	0030	1930	KA9OMC
(Mondays CDT) (Menomonee Area)					
Gr. Bay	No	72/12	0245	2145	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2100	
(South East/South Central Wisconsin)					

Wisconsin Section STM Report June 2001

Check This Out

If you participated in Field Day, if you have prepared for ARES disaster work, or if you just need to organize your daily activities, you may have worked from a check list. Here's a checklist to check your traffic handling.

- ✓ Have you checked a section net or two this month?
- ✓ Should you check the meaning of some QN signals or voice prosigns?
- ✓ Do you include the check on each message for practice?
- ✓ Have you originated at least one piece of traffic this month?
- ✓ Do you have your list of ARRL texts handy?
- ✓ Are you aware of which communities you can call toll-free?
- ✓ Could you assume NCS duties if needed?
- ✓ Did you QNI in to a CW net lately?
- ✓ Can your local ARES net count on your weekly check-in?
- ✓ When sending traffic with voice, do you use phonetics only when necessary?
- ✓ Do those you usually QSO on packet know that you handle traffic?
- ✓ Would you know how to handle welfare traffic?
- ✓ Did you look at the WNA website this month? (www.wna.eboard.com)
- ✓ Do you know how to pace yourself when sending traffic by voice?
- ✓ Can you tell what the handling instructions HX mean?
- ✓ Have you practiced copying under poor conditions - just for training?
- ✓ Know where your pink card (ARRL Form FSD-218) is?
- ✓ Are you able to volunteer to be an occasional 9RN liaison?
- ✓ Did you send your monthly activity report to the Section Traffic Manager?
- ✓ Have you considered a program on the National Traffic System for your local club?
- ✓ Can you identify your county's Emergency Coordinator?
- ✓ Do you answer questions about traffic for those new to the hobby?

If you checked all of the above, you are a dedicated traffic operator. Check? The traffic system only works if we work it. Let's do that as much as we can.

73,
K9LGU/STM

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY JUNE 2001

NET	QNI	QTC	QTR	SSNS	NM
BWN	1177	1509	2250	30	W9RCW for W9RCW
BEN	413	59	862	29	KE9VU
WSBN	467	75	677	29	K9FHI
WNN	133	8	320	30	KB9ROB
WSSN	198	18	314	30	N9BDL
WIN/E	191	61	290	30	WB9ICH
WIN/L	198	53	300	30	W9UW
TOTALS	2773	1781	5013	208	

STATION ACTIVITY SUMMARY Wisconsin Section June 2001

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	427	31	414	867 - BPL
W9YFY	0	226	283	0	589 - BPL
W9RCW	0	224	35	222	481 - BPL*
N9VE	1	207	39	197	444 - BPL*
WD9GNK	0	227	112	203	442 - BPL*
N9TVT	0	107	308	14	429
K9GU	0	195	30	134	409 - BPL*
W9CBE	0	161	140	10	311
W9IHW	0	132	41	99	272
K9LGU	6	70	32	0	108
N9BDL	0	25	71	1	97
K9FHI	0	29	52	0	81
AG9G	0	11	58	1	70
N9CK	0	33	30	3	66
W9YCV	1	19	29	7	56
KE9VU	0	18	35	0	53
KG9B	0	10	41	0	51
W9UW	0	31	6	0	37
KB9ROB	0	31	3	2	36
W9BHL	0	2	30	2	34
AA9BB	0	1	31	0	32
K9HDF	0	0	21	0	21
WB9ICH	0	13	2	0	20
WA7UVX	0	9	6	3	18
W9FLJ	3	5	2	5	15
N9JY	0	0	7	1	8
KA9BHK	0	0	7	1	8

P S H R SUMMARY - June 2001

CALL	1	2	3	4	5	6	7	8	Total
K9JPS	41	21	0	414	0	1	0	0	486
N9VE	49	0	6	197	1	30	20	0	303
W9RCW	35	0	0	222	0	30	0	0	287
K9FHI	60	24	24	0	0	30	10	30	178
N9BDL	60	24	24	1	0	30	0	0	139

Mancorad Radio Club

Theresa Hartlaub, KB9KXE,
Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

President Fred (W6BSF) opened the July meeting of the Mancorad Radio Club at 7:35 p.m. The June minutes were read and approved by motions by Gene (KB9KXF) and Dennis (W9DWN).

Our treasurer, Roger (W9NPX), gave the treasurer's report which was also approved by motions from Len (N9QFO) and Ken (K9HAG).

After discussion by the board and also the general assembly, it was decided to put on hold till next the proposed brat fry. We will call earlier next year to get this on Saturday. It was suggested to try for Airport Days weekend at IGA Food Stores. Also, most members of the HamFest were not here so no report was given on the progress of next year's HamFest.

It is still hoped that a display of some sort will be set up at the fair. It would be an outside display, near the barns. What is needed is people to man the display and answer questions. More discussion at next month's meeting.

Fred also reported that the Lighthouse Event planned for later this summer is officially canceled. Ron (WS9X) was unable to contact anyone about holding this event at the Two Rivers lighthouse. Possibility for next for using Manitowoc's lighthouse.

Everyone was reminded that club badges are available for 2.50 a badge if 10 or more are ordered. This is a good way to advertise our club. If you are interested please contact Roger.

James (KB9GOX) reported on the upcoming Kewaunee Bike/Run to be held July 14th. He is still looking for a few more volunteers. This is held in conjunction with Trout Fest. The volunteers are to meet at the WAUN Radio Station by 8:30. By 1:00 all should be wrapped up. Contact James if this will fit into your schedule.

The club also was given a report on the Leukemia Bike Race by Steve (N9PBL). As usual, we will pick up riders around Hike Bay and follow them up to UW-Manitowoc on Sat. July 21st, and then on Sunday they continue onto Sturgeon Bay. If anyone can help please contact Steve.

Fred also reported on the Kewaunee Nuclear Drill being held on July 31st. Procedures are as in the past years. He attended the meeting at the Holiday Inn and was briefed on the day's activities. This is a Tuesday. He is still looking for help. Please contact him.

Congratulations to Travis, KB9YRC, for winning the 17.00 attendance pot. It now goes back to 5.00.

Our next meeting will be held on August 8th at 7:30 at the club shack off Waldo Blvd.

Everyone is reminded to mark their calendar for Sept. 29th. That is the annual club picnic at Lincoln Park. Also start thinking about running for an office. Elections are just around the corner, being held in October.

Meeting adjourned 8:42 p.m.

Submitted for approval:
Theresa Hartlaub (KB9KXE)
Secretary

Member Attendance

KB9KXE Theresa	KB9YRC Travis
W9NPX Roger	N9QFO Len
W6BSF Fred	KB9GOY Mary
WB9OBX Ken	K9HAG Ken
W9DWN Dennis	KB9KXF Gene
NZ9Z John	KB9GOX James
K9WIX Clancy	N9PZX Julie
N9GHE Red	KB9NTL Don
N9PBL Steve	

Lakeshore Repeater Association

147.270 MHz • Racine, Wisconsin

Larry McCalvy, WA9JMO • 5400 Sx Mile Road
Racine, WI 53402-9741 • wa9jmo@wi.net

Our third quarterly meeting, held the last Tuesday in July at the Racine Red Cross Building, provided information about our two-meter machine and a thought or two about the little gremlins that have been plaguing that system.

But the most interest was geared toward our new 440 MHz systems operating on 442.000/447.000. We are calling it new

because everything except the controller has been replaced. The machine has been on the air since mid-July, "burning-in" with a very low elevated antenna.

The Club has ordered a new vertical antenna - it has a ship date of August 3rd - and I will be driving down to Pirod in Indi-

Please turn to page 8

W9CBE	60	24	24	10	20	20	0	0	138	AG9G	60	24	18	1	0	10	10	0	123
W9YCV	60	24	24	7	1	20	0	0	136	WD9FLJ	49	0	15	5	3	20	0	30	122
K9LGU	60	15	24	0	5	20	10	0	134	WA7UVX	56	0	24	12	0	10	0	0	92
N9TVT	60	24	24	14	0	10	0	0	132	KG9B	33	9	0	0	0	10	0	30	82

Lakeshore Repeater Association

Continued from page 7

ana the first week in August to pick up our Antenna Mounting Side Arm and the balance of transmission line clips.

We have contacted three commercial tower climbers for bid prices and hope to have the 440 machine operational at the 370 foot level by the end of August.

Our nomination chair, Dan Miller, KA9OIL, is looking for a few club members to serve on Lakeshore's Board of Directors. All four-club officer positions are up for

elections, but to date, only the Vice President and Secretary have asked to be replaced.

There are some exciting times ahead for the Repeater Association and we are looking for some energetic folks to lead the group. Are you one? If so, contact Dan and volunteer your name for consideration.

The last quarterly meeting for the year, and our annual election will be October 23, 2001, 7:30 PM at the Racine Red Cross Building, 4521 Taylor Avenue in the lower classroom.

73. Larry McCalvy, WA9JMO
President,
Lakeshore Repeater Association



SHEBOYGAN County Amateur Radio Club

Sky Borgenhagen, N9XRU, Secretary
N6466 Plank Circle • Glenbeulah WI 53023

2-Meter Repeater: 147.06 Output

The July meeting was called to order by club President, Mike, K9SJ, at 7:00 p.m. local time. There were 12 members present at the meeting. The SCARC meetings are held every second Tuesday of the month in the lower basement room at the Red Cross building at 2032 Erie Ave. in Sheboygan.

Mike, K9SJ, announced more operators are needed for the upcoming July 21st leukemia ride and the Plank Road Trail event scheduled for Saturday August 25th. Mike stated he would also be posting the request via the Sheboygan Hams mailing list for more leukemia ride operators.

Also discussed was Monday night net control ops. Any members willing to take net control for one or more evenings should contact Steve, N9TRK. Member introductions followed. The club radio room work day for antenna and cable work was discussed. The majority agreed it would be better to hold off on scheduling a date until more towards the end of summer due to upcoming radio events and summer family activities.

Our guest speaker Wayne Green, W2-NSD, joined us at 7:15 local time. The topics brought forth and discussed were diverse ranging from health, education, arts, politics the media, government, military, music and of course many amateur radio topics were covered too. A big thanks to Mike, K9SJ, for the behind the scenes work to make this tele-conference possible. Many thanks go out to our guest Wayne Green for taking the time to join us and share his factual and inspirational views and opinions.

Steve, N9TRK, reminded members that the Sheboygan Hams 3rd Saturday breakfast has changed and is now being held at the Plymouth Family Restaurant on Mill Street in down town Plymouth.

Mike, K9SJ, noted that at the next meeting we will be reviewing the vanity club call sign options and voting on a club vanity call sign during the August meeting.

The meeting adjourned at 9:00 p.m.

Net Schedule

The SCARC 2 Meter net meets Monday

nights at 8:00 P.M. on 147.060, PL107.2 +. This is a fun net and all are welcome to join us. Any members willing to take net control for one or more nights should contact Steve, N9TRK.

Saturday Morning Breakfasts

The Saturday morning Sheboygan hams breakfasts are held in the following venues at 8 a.m.:

1st Saturday - Jumes in Sheboygan

2nd Saturday - Family Restaurant in Cleveland

3rd Saturday - Plymouth Family Restaurant, Mill Street in Plymouth

4th Saturday - Park View Restaurant, County PP Sheboygan Falls

5th Saturday - Hill Farm Restaurant, Cty V & OK

Hams, spouses, hangers on and such are welcome.

E-mail List

If you use e-mail, consider signing up on the Sheboygan Hams mailing list. Simply submit your e-mail address to:
<julian@bongo.tele.com>.

All e-mail sent to
<shebham@tele.com>
will be forwarded to all listed subscribers. Thanks again, N6ARE for providing this wonderful mail server for SCARC use.

Club Postal Mailing Address

SCARC.
PO Box 1282.
Sheboygan, WI 53081-1282.

Respectfully Submitted:
Sky Borgenhagen,
N9XRU

REACT International conventioners enjoy David Clark visit

Seagoing adventurer-ham David Clark, KB6TAM, regaled members of REACT International with tales of his around-the-world sailing voyage during the organization's 2001 convention in Trinidad. Clark, who's sitting out the 2001 Atlantic hurricane season there, spoke to REACT members attending the Amateur Radio Breakfast. "He suggested that after finishing his trip in the fall, that he would like to supplement his income by becoming a motivational speaker," said REACT International Secretary Lee Besing, N5NTG.

Saying hello to good friends



Paul "Rip" Ripple, W9-SIZ, at right, took a toddle to see the Great Circus Train at its stop in Hartford, WI in July. Posing for the camera with Paul is Cathy Rosenthal of West Bend, wife of volunteer conductor Dick Rosenthal. Paul and your editor enjoyed a nice, but very warm, visit, with temperatures hovering around 90 or 95 degrees.

K9ZZ photo

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



The club has had a very active summer. The fourth weekend in June found our members surfing the airwaves in search of QRP contacts operating, during ARRL's annual Field Day outing; but only during the daylight hours. It was deemed that nighttime is for sleeping.

QCWA's 2001 Cruise Convention is, and has been a beehive of activity. Telephone calls, email messages and letters about this topic have been arriving daily. There is a lot of interest and quite a few of our International Members have signed on. The count at this writing is 135 cabins confirmed with 280 folks sailing with us onboard Holland America's Westerdam for eight fun filled Caribbean cruising days from the 27th of October to the 4th of November 2001. We still have space available for anyone interested in joining us. Just give me a call at (262) 639-7327 for more details.

Our Chapter has been asked by the

family of Bill Komistra, W9OVZ, to help catalog and dispose of Bill's ham gear. Bill became a Silent Key late last year. The Amateur Radio Estate has been boxed, priced, and laid out for display in the garage of Bill's home. At last count there were almost 600 boxes of "goodies" with transceivers of various brand names, antennas and many other wonderments waiting for eager new owners.

Chapter 162 is inviting everyone interested, to stop by W9OVZ's Ham estate sale, on Saturday and Sunday, August 11-12, 2001, from 9 AM to 5 PM, 5101 Graceland Blvd, in Racine. Graceland is about four blocks north of Highway 20 (Washington Avenue) on Highway 31, and then turn left on Graceland for one block. Any questions on the estate sale, please call Bob Jensen, W0WLN, 262-886-8551.

73, Larry McCalvy, WA9JMO
President, QCWA, Chapter 162

Conducting, hamming, and APRS



Rick Strauss, WB9HKE, is a volunteer conductor on the Great Circus Train, and he puts his APRS knowledge to good use for the train as well.

CLUB MEETINGS

ARROWHEAD AMATEUR RADIO CLUB, INC. Superior, WI

Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI.
Time: 7:30 p.m. Board meetings held before regular meetings.

BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT

Meetings: First Mondays at 7:30 p.m. in UW Union South.
Information: Don Michalski, W9IXG, (608) 263-4685.
Email: w9ixg@arrl.org.
Web: <http://www.qsl.net/w9yt>.

BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: <http://www.shopstop.net/BATS/>

CENTRAL WISCONSIN RADIO AMATEURS University of Wisconsin - Stevens Point, WI Second Wednesday.

EAU CLAIRE AMATEUR RADIO CLUB Eau Claire, Wisconsin

Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703.
All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz.
Information: Jim Staatz, KG9RA, (715) 838-9108, or kg9ra@ecarc.org
Web page: <http://www.ecarc.org>

FALLS AMATEUR RADIO CLUB, INC. Menomonee Falls, WI

Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

FOND DU LAC AMATEUR RADIO CLUB Fond du Lac, WI

Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI.
Time: 7 p.m.
Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2
Information: Jack Heil, KG9IN, 920.922.1413. Email: kg9in@fdlhams.org
Web: <http://www.fdlhams.org>.

FOUR LAKES AMATEUR RADIO CLUB Madison, WI

Meetings: First and third Tuesdays, 7:30 p.m.
Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs.
First building west of Hill Farms State Office Building.

FOX CITIES AMATEUR RADIO CLUB

Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI
Information: Pat, K9IK, 920.725.1149. PLatour428@aol.com
Web: <http://www.w9rl.ampr.org/>

GREAT RIVER AMATEUR RADIO CLUB Dubuque, Iowa

Meetings: First Monday of each month, 7 p.m. at the Red Cross Center,
2400 Asbury Road.
The club serves the tri-state area.
On the Web: <http://www.qsl.net/wb0lob/>
Information or questions to: NOhdc@aol.com

GREATER MILWAUKEE DX ASSOCIATION

Meetings: Fourth Monday of month, 7:30 p.m.
Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: garyk9gs@arrl.net.

GREEN BAY MIKE AND KEY CLUB

Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere.
Information: Kevin at kb9sne@yahoo.com.

GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area.

Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

LAKESHORE REPEATER ASSOCIATION Racine, WI

Meetings: Last Tuesday, January, April, July, October.
New meeting location to be announced.

M & M AMATEUR RADIO CLUB Menomonie, MI

General meetings: Monthly, second Thursday, 7 p.m., cafeteria, BAMC basement, Tenth Avenue, Menoninee, MI. Amateurs and guests welcome.
Repeater: 147.00, + offset.
Sunday net: 7 p.m., 147.00 repeater.
Address: P.O. Box 1082, Marinette, MI 54143.

MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesdays of each month except June-August, when no meetings are held. Regular meeting: 7:30 p.m.,

Associated Bank, lower level,
1000 Franklin St., Manitowoc, WI. Located right next to the Manitowoc River in the downtown area.
Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312.
Email: fredw6bsf@lak3field.net.

MILWAUKEE RADIO AMATEURS CLUB

Meetings: Last Thursdays, 7 p.m., Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Address: P.O. Box 070695, Milwaukee, WI 53207.
Web: <http://www.qsl.net/mrac>
Email: w9rh@arrl.net

NORTHEAST WISCONSIN DX ASSOCIATION

Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay.
For specific information about meetings, check <http://home.new.rr.com/newdxa/>
Contact us at w9dxa@arrl.net

NORTHWOODS AMATEUR RADIO CLUB Rhinelander, WI

Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI.
Talkin on Sayner or Tomahawk repeaters.
The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.
All visitors welcome.

OZAUKEE RADIO CLUB Ozaukee County area, WI

Meetings: Second Wednesdays, 7:30 p.m., Grafton Multipurpose Senior Center.
Information: <http://www.qsl.net/orc>.

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55

Wisconsin Chapter 55 meets the first Saturday of June and October.
For information about Chapter 55, contact Ron Yokes, W8BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703, (262) 375-1774, rryokes@execpc.com

QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162

Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI.
Social events: Third Sundays in February, April, June, August, and October.
Christmas party: Usually second or third Sunday in December.

RACINE MEGACYCLE CLUB

Meetings: Second Mondays, 7:30 p.m.,
New meeting location to be announced.

RADIO AMATEURS OF WISCONSIN (R.A.W.) Oshkosh, WI

Meetings: Third Saturday monthly, locations vary.
"R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us." If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardee's in North Monomomie, corner of Highways 12 and 25 at 9 a.m.
Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November.
Guests welcome!

RIVERLAND AMATEUR RADIO CLUB Onalaska, WI

Meetings: First Tuesdays, 7 p.m., Onalaska Community Center.

ROCK RIVER RADIO CLUB

Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI.
ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Meetings: Second Tuesdays, 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

NORTHLAND AMATEUR RADIO CLUB of SHELL LAKE, WI

Meetings: First Tuesday at the Shell Lake United Methodist Church,
Reinhart Drive, Shell Lake, WI.
Meeting time: 7 p.m.
More information: <http://home.centurytel.net/NorthlandARC/>

SOUTH MILWAUKEE AMATEUR RADIO CLUB

Meetings: First Wednesdays, Legion Post 434, Shepard Ave.,

Oak Creek, WI.
Auctions in March and October.

SPACE PLACE AMATEUR RADIO CENTER

No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW.
Information: Don Michalski, W9IXG, President, (608) 263-4685.
Email: n9uw@sal.wisc.edu

St. CROIX VALLEY RADIO AMATEURS Hudson, WI

Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) Medford, WI

Meetings: Usually first Thursday, 7 p.m. sharp.
Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford.
Talkin: 147.15 (+600) MHz.
Amateurs and guests are welcome.
ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater.
Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405.
Phone: (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB

Second Thursday monthly except June to August, 7 p.m., at Dwight Foster Public Library in Fort Atkinson.
ARES Net each Wednesday evening at 7 on 145.49 repeater.
Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse.
Net: Thursdays, 7:30 p.m., 146.73 (-600).

WATERTOWN AMATEUR RADIO CLUB

Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

WAUPACA AMATEUR RADIO CLUB

"CQ First Tue.": Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted.
"CQ Third Fri.": Social gathering and Dutch treat dinner.
Semi-formal, OM and XYL, at one of the better supper clubs in the area.
Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

WEST ALLIS RADIO AMATEUR CLUB

Meetings: Second Tuesdays, 8 p.m., St. Peter's Episcopal Church, 7929 Lincoln Avenue, entrance is at rear of building on alley.
Information: <http://www.warac.org>.

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

WISCONSIN VALLEY RADIO ASSOCIATION Wausau, WI

Meetings: First Tuesdays, 7:30 p.m. Location varies.
Information: 146.64 (-600).
Web: <http://home.dwave.net/~wvra/>

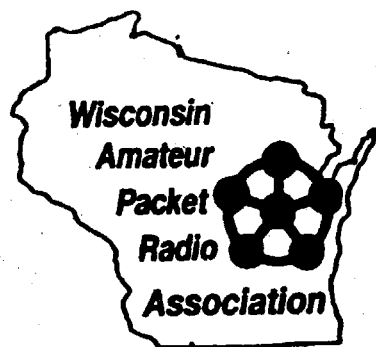
WISCONSIN ASSOCIATION OF REPEATERS

Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info.
Information: <http://www.wi-repeaters.org>.

YELLOW THUNDER AMATEUR RADIO CLUB Baraboo, WI

Meetings: First Tuesdays, 7:30 p.m., Room 18, Baraboo Civic Center at 124 Second Street. Information: <http://www.qsl.net/ytarc>

Notice: BSSS is not liable for any errors, omissions, typographical errors, or misprints. Clubs are responsible for furnishing any changes or corrections which may be needed. Information should be sent to Ken Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901, kebneter@palacenet.net and Jim Romelfanger, K9ZZ, 412 1/2 Ash St., Baraboo WI 53913, smokesigs@baraboo.com. No information will be taken verbally.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association

Allen Schnepf, NØGMJ, Treasurer
Ogema, WI 54459

Andy Nemec, KB9ALN, Editor • 453 Cottage Grove Avenue • Green Bay, WI 54304 • e-mail: kb9aln@gbonline.com

WAPR News - August, 2001

by Andy Nemec, KB9ALN

Hello to everyone. the "Dog Days" of August are here and soon summer will be fading. Hope this summer has been good to you, and that the remainder brings you good times.

First in the news is an E-Mail change of address, namely, mine. After using Juno successfully for a few years, I have opted to change providers. The main reason was that Juno changed it's access numbers and my new number was not local. Long-distance charges would have cost more to use this "free" service than paying for a local internet provider, so I opted to go that route.

This also means that we'll have a place to put the WAPR web pages. I hope to have them back on the "web" a short time after you read this. I'll publish the URL when this actually comes to pass, and will send an ALLWI message through the BBS Network when it's as well.

On another topic, Joel, our esteemed chairman N9BQM differs with some of the comments I made in the "BBS Mail Primer" article that appeared here last month. His point is that the @amsat designator has been used for quite a while and there are reasons for using it. One is that people can selectively list and forward specific amsat-related messages easier. He points out that a lot of duplicates of these messages are generated by poorly configured BBSs.

Now I will go into "Commentary Mode". The following opinions are mine and maybe even be mine alone. They do not necessarily reflect the views of the WAPR Board of Directors or any of the membership of WAPR.

I am not taking issue with the fact that some BBSs are poorly configured (personal messages often don't get to their destinations these days for that reason), but rather with the lack of standardization. This applies to AMSAT-related messages as well as other types. Take note that this is in no way a criticism of AMSAT, this is not their doing. Rather, it is a lot of well-meaning packet operators sending messages that are, in my opinion, poorly addressed.

This will likely be a point of debate, others will disagree with that statement. One of the points I would like to make is that there is an incredible lack of standardization and little adherence to existing standards when BBS mail is addressed. The @amsat destination designator is just one example of lack of standardization.

Packet BBS mail is, by it's very nature, limited and does not follow the rest of the electronic mail world's conventions. While the internet has mailing lists and discussion groups that one can subscribe to, packet has no equivalent. Packet mail has never reached the level of modern E-Mail, and unless we make some serious changes, it may never be.

Consider this an open call to the amateur community to fix this and start plans to update packet radio. In Wisconsin, we have seen the network gradually shift to higher speeds and better Net/Rom node firmware, and little else. Net/Rom, while enjoying status as a networking standard for quite a while in the ham radio world, is not the networking standard for the rest of the digital communications world.

While we had tremendous potential in the early days of packet to be a model for wireless networking, it never came to pass. As a result, packet's capabilities (which awed us in the beginning) have not kept pace with the rest of the world. Packet operators gradually set their TNCs

aside and started using internet services, which dropped our user base.

In order to attract more people to packet radio, we have to make it more interesting and more reliable. Infrastructure issues (construction of a network and all that entails) are one thing - a lot of time and effort are required to enhance our connectivity by building nodes.

However, the one aspect of packet reliability that can come with considerably less effort is proper BBS configuration. Personal messages that do not make it to their destination are unforgivable in this day and age. Internet gateways are least useful when a gateway does not forward or deliver personal mail both from the internet and from the BBSs. This is something that CAN be fixed, it just takes a little time and effort. I know that it can, I know gateway operators that do a fine job of forwarding and delivering personal mail.

Once we get that problem taken care of, we can work on revamping the BBS and it's mail system. This may seem to be a pain to some people, but it doesn't have to be that way. The internet has set the standard with smtp (simple mail transfer protocol) and every BBS with TCP/IP capability can do this. Most BBSs, including FBB and MSYS, have this capability.

The biggest problem with standards of this nature is getting everyone to agree on them. Time will tell if we move forward on this or continue to fall behind.

One more note before I leave commentary mode - I say these things not because I hate packet, but because I like it so much. I say these things not because I want to needlessly argue the point with anyone and everyone. I do this because a dialog needs to be started and packet radio sorely needs an update. Otherwise, we will remain nothing

more than a historical niche in this hobby. That's all for "Commentary Mode" right now.

As far as the original point of "amsat@allusa" vs "amsat@amsat" is concerned, either one of them will get forwarded as flood messages that appear on every networked BBS. I prefer something like "kaps@allusa" or "amsat@allusa" over the "amsat@amsat" designation. The address of "amsat@amsat" is non-specific and does not follow the "addressee@destination" form that is a current standard in digital communications these days. In short, any of these examples will work, it's up to you and your sense of propriety to choose what you wish.

That's all I have for this month. As always, feel free to send me your packet news, and remember the new E-Mail address. Until next time, 73 from Andy.

Net/Rom Node Information for the Sysop - Part Five

by Andy Nemec, KB9ALN

This is part 4 of a series designed to help node Sysops learn more about the popular TheNET X-1J series of nodes. We'll skip over the more common user commands and devote our discussion to commands used by the Sysop. This month, we look at ARPTIMER and AUDIT.

ARPTIMER

This command configures part of the nodes ARP system. You may remember from our last installment when we covered ARP that ARP associates a call-sign with an IP address in the ham radio implementation of TCP/IP. This information is kept in a list on the node called an ARP Table.

The ARPTIMER command allows an automatic up-

WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: _____ CALL: _____ HOME PHONE: (_____) _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

HOME BBS: _____ FREQ: _____ (Listing your home BBS is important)

MY PACKET STATION OPERATES: _____ DAY _____ NIGHT _____ 24 HOURS

I OPERATE A: _____ DIGIPEATER WITH AN ALIAS OF: _____

_____ FULL SERVICE BBS

PRIMARY PACKET INTEREST/EXPERTISE IS: _____

YES: I want to receive Badger State Smoke Signals and I understand that part of my dues will go to pay the subscription. Cost \$20.00.

NO: I do not wish to receive Badger State Smoke signals as part of WAPR membership. Cost \$15.00.

Complete and return this form with your check or money order — \$15.00 for membership only or \$20.00 for membership and Badger State Smoke Signals, made payable to W.A.P.R. to:

Larry Shields, WD9ESU, Treasurer.
W8929 Highway K
Lodi, WI 53555

date of the ARP table that the sysop has set up, allowing new stations that are not in the ARP table to be added to the ARP table automatically. This command can also specify how long a station that is automatically added to the ARP table will remain in the ARP table. Here's a command usage summary:

ARPTIMER *

clears the current ARPTIMER settings.

ARPTIMER 0

Shuts off the ARPTIMER function. The manually-configured ARP will continue to work, but no automatic updates to the ARP table will be performed.

ARPTIMER 1

Enables automatic updating of the ARP table.

ARPTIMER <number from 15-1440>

This specifies how long the automatic updates in the ARP table will remain in the table, in minutes. For example:

ARPTIMER 30

Means that any ARP update will remain in the ARP table for 30 minutes. Again, this does not affect the entries made manually to the ARP table. We'll recap ARP and it's related settings in the final installments of this series when we look at how to set up a TheNet X-1J node for TCP/IP operation.

AUDIT

This command configures the amount of information dispensed to node operators and managers when they issue the AUDIT command when not logged in as a sysop. The node keeps track of a number of statistics, and the Sysop or node manager can pull these statistics when needed. This is as close to a station log that the node can come, and is handy for checking node performance and for troubleshooting.

The information that can be dispensed includes:

- The percentage of time a Data Carrier was detected, and how long the transmitter has been keyed in the last 10 minutes.
- A mini-log of the various connections that have been made to the node, both AX.25 and Net/Rom frames.
- Node CPU load and buffer usage
- Usage of the SYSOP command

A few other types of info can also be dispensed as well.

One important note about the AUDIT command - it can slow down a node considerably and consume considerable memory when the node has a lot to do. The only time it should ever be needed is when troubleshooting.

Here's a command summary:

AUDIT 0

This turns off the Audit function completely.

AUDIT <number from 1-255>

Enables auditing of one or more parameters. The number is based on a "Mask" value determined by what Audit functions you wish to enable. Consult the X-1J manual for details.

That's all for this part. Next month, we'll continue our alphabetical exploration of the Sysop commands for these nodes. Until then, 73 from Andy.

(Continued from page 3)

THE TEST POINT

Library at 9 a.m. Contact: Roger Reader, KA9BKK, readers@centurytel.net

MEDFORD, WI (ARRL/VEC)-UPDATE NEEDED

Take Ogden St. west off of Hwy. 13 to the courthouse. Park on the street or in the parking lot on the south side of the courthouse. Use one of the two entrances there. Watch for the signs when you get into the building. Talk-in on the 147.15 (+600 KHz, 114.8 PL) repeater. Walk-ins welcome, but if you know you'll be attending, please let us know. Contact: Tom



Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)

Club net: Sundays 8:00 p.m. on 147.315

Raymond J. Matlosz, N9MLZ, Secretary
450 W. 2nd St., Reedsburg, WI 53959-1500



The July 7, 2001 meeting of the Yellow Thunder Amateur Radio Club was called to order, and this ain't no lie, at 6:25 p.m. by Club President Steve Schulze, N9UDO at his residence. The meeting followed a tour of the club's repeater site and preceded a club picnic and bon fire, hence the irregular starting time. A thank you goes to the YL's and XYL's who prepared the food while the meeting was held.

Minutes for the June 5, 2001 meeting were approved. Bill Klinkner, N9KXX gave the treasurer's report.

OLD BUSINESS: Field day was a success and the weather was great. The Club made the front page (including color picture) of the Baraboo News Republic. There was also an article in the Portage Daily Register. K9ZZ had a contact with the space station NA1SS at 1808Z. No further information on the balloon flight. Discussions continued for a memorial for silent key Bob King, probably several books and/or video for the library system.

NEW BUSINESS: discussed the upcoming swap fest and who would do what, when. Set up Friday 5-7 p.m., Saturday starts at 5 a.m. and goes to clean-up/food.

Meeting adjourned at 7:02 p.m. for food and fire. Buck night was won by whoever was not there to increase our field day food fund.

NEXT MEETING: Tuesday August 7, 2001 at 7:30 p.m. Baraboo Civic Center. Swap Fest Saturday August 11, 2001, Sauk County Fairgrounds.

Respectfully submitted:
Raymond J Matlosz, N9MLZ
club secretary

The following members and guests were present:

Duane Grotophorst	N9DG	North Freedom
Tom Harrison	N9PQJ	Reedsburg
Bill Hommel	KA9QFJ	Baraboo
Pete Sweeney	WD9JIB	Reedsburg
Bill Klinkner	N9KXX	Sauk City
Wayne Burgess	N9UDX	Lodi
Raymond Matlosz	N9MLZ	Reedsburg
Steve Schulze	N9UDO	Baraboo

MINNESOTA TEST INFORMATION

From The Ground Wave, Saint Paul Radio Club

Saint Paul Radio Club (SPRC)
TESTING: First Saturday of the month, 8:30 a.m.
Contact: Ed VanCleave, W0VC. (612) 636-0108 Test Site: St. Paul Technical College 235 Marshall Ave. St Paul, MN. <http://www.qsl.net/sprc/index.html>

Anoka Amateur Radio Club (AARC)
TESTING: Second Saturday of the month, 9 a.m.
Contact: Craig Johnson, AA0ZZ (612) 483-3143 Test Site: Blaine City Hall 9150 Central Ave NE Blaine, MN Bloomington Office of Emergency Management

Bloomington Amateur Radio Club (BARC)
TESTING: Fourth Saturday of the month, 9 a.m.
Contact: Dan Royer, KE0OR (612) 888-9756 Test Site: Fire Station No. 1 94th St. & Nicollet Avenue S. Bloomington, MN

Valley Amateur Radio Club (VARC)
TESTING: Second Thursday of the month, 7 p.m.
Contact: Bill Martin, AI0D (612) 432-0438 Test Site: Hayes Community Center 14601 Hayes Road Apple Valley, MN

W5YI Group
TESTING: Third Tuesday of the month, 6:30 p.m. Contact: Dave Ranney, N0AXL (612) 542-2553 Test Site: Eden Prairie Library 479 Eden Prairie Drive Eden Prairie, MN

SE Metro Area Radio Club (SEMARC)
TESTING: Third Saturday of the month, 9 a.m.
Contact: Dave Harrell, K0BTE (612) 459-8678 Test Site: Cottage Grove fire Station 8641 80th ST., S Cottage Grove, MN.

The times and places listed above are the usual time and place for each VE team. Occasionally, sessions are canceled or changed. It is a good idea to call ahead to confirm the test time and place.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to kebnet@palacenet.net.

Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451. (715) 748-4054. E-mail: Mike, N9GHZ, muzikman@pcpros.net.

JEFFERSON HAMFEST
March 18. Tests at the Public Library on Highway 26 (Main Street) at 9 a.m. Test fee \$10 to ARRL/VEC. The library meeting rooms are up the walk behind the library entrance across Main Street from the county courthouse. Talkin on 146.52. Contact: Al Johnson, AA7CS, 920.568.0836. aa7cs@arrrl.net

HUDSON, WI (ARRL/VEC)
Sponsor: St. Croix Valley AR Testing Col. Time: Call for time and walk-in info. Contact: Gregory Miller (715)386-9857 Location: St. Croix County Emergency, Government Center by jail, Carmichael Rd. lower level, Hudson, WI 54016. (Information tnx ARRL Web site)

HAMFEST EXAMS
Cedarburg WI - ORC Hamfest
Green Bay WI - ARES Hamfest
Hayward WI - Hayward Hamfest
Kaukauna WI - Swapfest
Oak Creek WI - SMARC Hamfest
Rhineland WI - NWARC Swapfest
Rockford IL - RARC Hamfest
Rothschild WI - WVRA Hamfest
South Milwaukee, WI - SMARC Hamfest
Waukesha WI - KMRA Swapfest
Waukesha WI - Midwinter Swapfest
Dubuque IA - Hamfest

See the Swapfest page for additional information and contact persons.

IN THE NEIGHBORHOOD

DUBUQUE, IOWA
Dubuque Hamfest. Contact: Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

ROCKFORD/LOVES PARK, IL
Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Contact: Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail WB9QYV@aol.com

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P. O. Box 8890 Madison, WI 53708-8890
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P. O. Box 102 South Milwaukee, WI 53172

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North Shore Radio Club / Box 1066 Highland Park, IL / 60035

Eau Claire Amateur Radio Club
HAMFEST 2001
Saturday, June 9, 2001

For Information Contact:
Jim Staats KG9RA at 715-838-9108
P.O. Box 1867 Eau Claire, WI 54702-1867

<http://www.ecarc.org> w9eau@ecarc.org

Ozaukee Radio Club
**23RD ANNUAL RADIO AND
COMPUTER SWAPFEST**
Saturday, May 5, 2001

8 a.m. to 1 p.m. • Circle B Recreation Center
Intersection of Highway 60 and County I
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5119 W. Willow Rd., Brown Deer, WI 53222
Swapfest sponsored by the Ozaukee Radio Club
W55 N865 Cedar Ridge Drive • Cedarburg, WI 53012

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Steve Schulze, N9UDO
(608)356-2313
<http://www.qsl.net/ytarc/hamfest.htm>

Bill Klinkner, N9KXX
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